

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Previously Presented) A steel/aluminum welded structure comprising:
a hot-dip Al-coated steel sheet having a coating layer, consisting of, by mass, 3-12% Si, 0.5-5% Fe and the balance being Al except inevitable impurities, and an Al-Fe-Si ternary alloy layer formed at an interface between a steel substrate and the coating layer; and
an aluminum or aluminum alloy sheet spot welded to the Al-coated steel sheet;
wherein an area ratio of an Al-Fe binary alloy layer to a whole of an Al/Fe joint boundary is controlled to 90% or less, and an Al-Fe alloy free region exists between the Al-Fe binary alloy layer and the Al-Fe-Si ternary alloy layer, and
wherein the coating layer is formed on a steel substrate containing 0.002-0.020% N, and the coating layer is formed on a N-enriched surface of the steel substrate, N concentration of the N-enriched surface being 3.0% or more, by atom.

2. (Cancelled).

3. (Previously Presented) The steel/aluminum welded structure of Claim 1, wherein:
the aluminum or aluminum alloy sheet contains Fe at a content of not more than 1.0%.

4. (Previously Presented) The steel/aluminum welded structure of Claim 1, wherein:
the aluminum alloy sheet contains 0.1-6.0% of Mg and 3.0% or less of Si.

Claims 5-6. (Cancelled).

7. (Previously Presented) The steel/aluminum welded structure of Claim 3, wherein:
the aluminum alloy sheet contains 0.1-6.0% of Mg and 3.0% or less of Si.